

Appl. No. 09/884,652
Amendment Dated Aug. 8, 2005
Reply to Office Action of Mar. 7, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (currently amended) A golf ball comprising:

a core having a diameter of about 1.45 to about 1.60 inches;

a cover disposed over said core, wherein said cover is a blend of polymers comprising:

a first polymer having a melt index of about 2 to 10 grams/10 min., a flexural modulus of 60,000 to 80,000 PSI, a Shore D hardness of about 60 to 70;

a second polymer comprising an ~~ethylene/methacrylic acid/n-butyl acrylate~~ n-butyl acrylate copolymer, and,

a plurality of dimples arranged to coincide with a modified dodecahedron pattern comprising twelve pentagons subdivided by ten great circles free of dimples that form sixty triangles on said cover, said dimples having a dual radius that comprises a first radius of about 0.5 to 0.9 inches and a second radius of about 0.9 to 1.3 inches.

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Claim 2. (original) The golf ball of claim 1 wherein said first polymer is an olefin/unsaturated carboxylic acid copolymer.

Claim 3. (previously presented) The golf ball of claim 2 wherein said second polymer is an olefin/unsaturated carboxylic acid/n-butyl acrylate copolymer having a melt index of about .2 to 2 grams/10 minutes.

Claim 4. (original) The golf ball of claim 3 wherein said first polymer is an ethylene/methacrylic acid copolymer having about 17% to 21 % by weight of said methacrylic acid.

Claim 5. (original) The golf ball of claim 4 wherein said second polymer is an ethylene/methacrylic acid/n-butyl acrylate copolymer having about 10% to 14% by weight of methacrylic acid.

Claim 6. (original) The golf ball of claim 5 wherein said dimples are arranged to coincide with a plurality of pentagons, wherein said pentagons are formed from said dodecahedron pattern.

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Claim 7. (original) The golf ball of claim 6 wherein said dimples are arranged to coincide with a plurality of triangles, wherein said triangles further subdivide said pentagons.

Claim 8. (original) The golf ball of claim 7 wherein said dimples are arranged to coincide with a plurality of rows, wherein said rows further subdivide said triangles.

Claim 9. (original) The golf ball of claim 8 wherein said rows comprise:

- a first row wherein said row is adjacent to an apex of said triangle;

- a second row adjacent to said first row;

- a third row adjacent to said second row wherein said second row lies between said first row and said third row.

Claim 10. (original) The golf ball of claim 9 wherein said dimples further comprise:

- a first dimple arranged to coincide with said first row;

- a second dimple arranged to coincide with said second row and said third row; and,

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a third dimple arranged to coincide with said third row.

Claim 11. (previously presented) The golf ball of claim 10 wherein said dimples have three different diameters.

Claim 12. (original) The golf ball of claim 10 wherein said dimples have a depth of 0.005 to 0.007 inches.

Claim 13. (original) The golf ball of 10 wherein said first dimple has a diameter of 0.10 to 0.13 inches, wherein said second dimple has a diameter of 0.15 to 0.16 inches, and said third dimple 0.13 to 0.15 inches.

Claim 14. (original) The golf ball of claim 13 wherein said golf ball has 360 dimples.

Claim 15. (previously presented) The golf ball of claim 8 wherein said core has a weight from about 32 to about 40 grams.

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Claim 16. (previously presented) The golf ball of claim 11 wherein said dual radius dimples all have the same depth.

Claim 17. (original) The golf ball of 16 wherein said first polymer comprises 30% to 90% by weight and said second polymer 10% to 50% by weight of said cover.

Claim 18. (previously presented) A golf ball comprising:
a core having a weight from about 32 to about 40 grams;

a cover blend comprising:

a first polymer comprising an ethylene/methacrylic acid copolymer having 19% by weight of acid, a melt index of about .2 to 10 grams/10 min., a flexural modulus of 60,000 to 80,000 PSI, a Shore D hardness of about 60 to 70; and,

a second polymer comprising an ethylene/methacrylic acid/n-butyl acrylate copolymer having a melt index of about .2 to 2 grams/10 minutes, a flexural modulus of 2,000 to 8,000 PSI;

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a plurality of dimples on cover according to a modified dodecahedron pattern;

a great circle path free of dimples, wherein said cover has ten great circle paths;

a plurality of pentagons subdivide said dodecahedron pattern wherein said pentagons are subdivided into a smaller pentagon located within each of said plurality of pentagons;

a plurality of triangles, wherein said triangles subdivide said pentagons;

a plurality of rows, wherein said rows subdivide said triangles.

Claim 19. (original) The golf ball of claim 18 further comprising:

a first row wherein said row is adjacent to an apex of said triangle;

a second row adjacent to said first row;

a third row adjacent to said second row wherein said second row lies between said first row and said third row.

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Claim 20. (original) The golf ball of claim 19 further comprising:

a first dimple arranged to coincide with said first row;

a second dimple arranged to coincide with said second row and said third row; and,

a third dimple arranged to coincide with said third row.

Claim 21. (original) The golf ball of claim 20 wherein said dimples form ten great circle paths free of dimples and wherein said dimples have a dual radius, wherein said dual radius dimples comprise a first radius of about 0.5 to 0.9 inches and a second radius of about 0.9 to 1.3 inches.

Claim 22. (previously presented) The golf ball of claim 21 wherein said cover has 360 dimples.

Claim 23. (original) The golf ball of claim 22 wherein said first dimple has a diameter of 0.10 to 0.13 inches, wherein said second dimple has a diameter of 0.15 to 0.16 inches, and said third dimple 0.13 to 0.15 inches.

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Claim 24. (previously presented) A golf ball comprising:

a core with a compression of about 68 PGA to about 75 PGA;

a cover blend comprising:

a first polymer comprising an ethylene/methacrylic copolymer having 19% by weight of acid, a melt index of about 2 to 10 grams/10 min, a flexural modulus of 60,000 to 80,000 PSI, a shore D hardness of about 60 to 70; and,

a second polymer comprising an ethylene/methacrylic acid/n-butyl acrylate copolymer having a melt index of about .2 to 2 grams/10 minutes, a flexural modulus of 2,000 to 8,000 PSI;

at least 360 dimples arranged on said cover according to a dodecahedron pattern.

Claim 25. (previously presented) The golf ball of claim 24 wherein said at least 360 dimples arranged on said cover form ten great circle paths free of said dimples.

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Claim 26. (previously presented) The golf ball of claim 24 wherein said dodecahedron comprises a plurality of pentagons, wherein said pentagons subdivide said dodecahedron pattern;

a plurality of triangles, wherein said triangles subdivide said pentagons;

a plurality of rows, wherein said rows subdivide said triangles, wherein said rows comprise:

a first row wherein said row is adjacent to an apex of said triangle;

a second row adjacent to said first row;

a third row adjacent to said second row wherein said second row lies between said first row and said third row.

Claim 27. (previously presented) The golf ball of claim 26 further comprising:

a first dimple arranged to coincide with said first row;

a second dimple arranged to coincide with said second row and said third row, and,

a third dimple arranged to coincide with said third row.

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Claim 28. (previously presented) The golf ball of claim 24 wherein said core has a diameter of about 1.45 to about 1.60 inches.

Claim 29. (previously presented) The golf ball of claim 24 wherein said core has a weight of about 32 to about 40 grams.